

Table S1. Study characteristics and prevalence of endometrial cancer in premenopausal women

	Country	Design	Popuulation	Outcome measure	Premenopausal women	
					EC (%)	N
Akkad 1995 ²³	UK	Retrospective	Pre and post menopausal women investigated for AUB	Diagnostic hysteroscopy	0 (0)	92
Alexopoulos 1999 ²⁴	UK	Retrospective	Pre and post menopausal women investigated for AUB	Hysteroscopy, sometimes with biopsy	3 (0.17)	1,719
Allen 1990 ²⁵	Tasmania	Retrospective	Pre and post menopausal women investigated for AUB	D&C, sometimes with hysteroscopy	4 (0.11)	3,780
Ash 1996 ²⁶	Canada	Retrospective	Premenopausal women investigated for AUB	Endometrial biopsy	0 (0)	310
Bain 2002 ²⁷	UK	Prospective	Premenopausal women investigated for AUB	Endometrial biopsy with/without hysteroscopy	0 (0)	349
Bronz 1997 ²⁸	Switzerland	Prospective	Premenopausal women investigated for AUB	TVS, SCHS and diagnostic hysteroscopy	0 (0)	83
Chawla 2014 ²⁹	India	Prospective	Pre and post menopausal women investigated for AUB	TVS, SIS and hysteroscopy with biopsy	0 (0)	29
Clevenger-Hoeft 1999 ³⁰	USA	Retrospective	Premenopausal women investigated for AUB	Sonohysterography, where indicated, biopsy	0 (0)	80
Crtichley 2004 ³¹	UK	Prospective	Pre and post menopausal women investigated for AUB	Endometrial biopsy	3 (0.62)	483
Damle 2013 ³²	India	Retrospective	Pre and post menopausal women investigated for AUB	endometrial sampling	0 (0)	80
Dangal 2003 ³³	Nepal	Retrospective	Pre and post menopausal women investigated for AUB	D&C and endometrial biopsy	0 (0)	39
De Angelis 2013 ³⁴	Italy	Prospective	Premenopausal women investigated for HMB	Office hysteroscopy	1 (0.85)	118
De Kroon 2004 ³⁵	The Netherlands	Prospective	Pre and post menopausal women investigated for AUB	Sugical hysteroscopy	0 (0)	41
de Vries 2000 ³⁶	The Netherlands	Prospective	Premenopausal women investigated for AUB	Hysteroscopy and endometrial biopsy	0 (0)	62

Decloedt 1999 ³⁷	UK	Retrospective	Pre and post menopausal women investigated for AUB	Hysteroscopy with biopsy where indicated	2 (0.43)	469
Dreisler 2009 ³⁸	Denmark	Prospective	Women from the Danish Civil Registration System	TVS, SCSH, hysteroscopic resection where indicated	1 (0.50)	199
Dueholm 2001 ¹⁴	Denmark	Prospective	Premenopausal women investigated for AUB	SCSH, TVS, operative hysteroscopy where indicated	0 (0)	452
Dunn 2001 ³⁹	USA	Prospective	Pre and post menopausal women investigated for AUB	Risk-stratified pathway, including endometrial biopsy	0 (0)	570
Emanuel 1995 ⁴⁰	The Netherlands	Retrospective	Pre and post menopausal women investigated for AUB	Diagnostic hysteroscopy	4 (0.44)	908
Emmanuel 1995b ⁴¹	The Netherlands	Retrospective	Pre and post menopausal women investigated for AUB	TVS and diagnostic hysteroscopy	0 (0)	213
Erdem 2007 ⁴²	Turkey	Prospective	Pre and post menopausal women investigated for AUB	TVS and SIS	0 (0)	95
Esmer 2014 ⁴³	Turkey	Retrospective	Premenopausal women investigated for AUB	Endometrial biopsy	16 (0.64)	2,516
Fakhar 2008 ⁴⁴	Pakistan	Prospective	Pre and post menopausal women investigated for AUB	Pipelle biopsy followed by D&C	0 (0)	89
Farquhar 1999 ⁴⁵	New Zealand	Retrospective	Premenopausal women with AUB undergoing	Endometrial biopsy	5 (0.48)	1,033
Fraser 1992 ⁴⁶	Australia	Retrospective	Premenopausal women investigated for HMB	Some had hysteroscopy	0 (0)	316
Getpook 2006 ⁴⁷	Thailand	Prospective	Premenopausal women investigated for IMB	Uterine curettage	4 (3.6)	111
Goldstein 1997 ⁴⁸	USA	Retrospective	Premenopausal women investigated for AUB	Ultrasound. Biopsy or D&C in some cases	0 (0)	433
Gorleo 2008 ⁴⁹	Italy	Prospective	Premenopausal women investigated for AUB	TVS and SCHS	0 (0)	61
Goyal 2015 ⁵⁰	India	Prospective	Premenopausal women investigated for AUB	TVS and diagnostic hysteroscopy	0 (0)	100
Gulumser 2010 ⁵¹	UK	Retrospective	Pre and post menopausal women investigated for AUB	Hysteroscopy, biopsy in most cases	4 (0.90)	446
Hammouda	Saudi Arabia	Retrospective	Pre and Peri menopausal	Curettage, biopsy or	4 (0.61)	660

1967 ⁵²						
Hauge 2010 ⁵³	Norway	Prospective	women investigated for AUB Pre-menopausal women investigated for AUB refractory to medical treatment	hysterectomy TVS, SIS and hysteroscopy with biopsy	0 (0)	104
Hunter 2001 ⁵⁴	UK	Retrospective	Pre and post menopausal women investigated for AUB	Hysteroscopy and biopsy	0 (0)	57
Iram 2010 ⁹	UK	Retrospective	Premenopausal women investigated for AUB	Endometrial biopsy	20 (0.67)	3,006
Jetley 2013 ⁵⁵	India	Retrospective	Perimenopausal women investigated for AUB	Endometrial biopsy	0 (0)	219
Litta 1996 ⁵⁶	Italy	Retrospective	Pre and post menopausal women investigated for persistent AUB	Hysteroscopy and biopsy	6 (1.59)	378
Loffer 1989 ⁵⁷	USA	Retrospective	Pre and post menopausal women investigated for AUB	Endometrial biopsy	0 (0)	140
MacKenzie 1978 ⁵⁸	UK	Retrospective	Pre and post menopausal women investigated for AUB	D&C	0 (0)	580
Machado 2005 ⁵⁹	Oman	Prospective	Pre and post menopausal women investigated for AUB	TVS, hysteroscopy and endometrial biopsy	0 (0)	134
Masood 2015 ⁶⁰	Pakistan	Prospective	Pre and post menopausal women investigated for AUB	Endometrial biopsy	1 (1.92)	52
Matthew 2010 ⁶¹	Oman	Retrospective	Pre and post menopausal women investigated for AUB	TVS, SISH and diagnostic hysteroscopy	0 (0)	54
Mortakis 1997 ⁶²	Greece	Prospective	Pre and post menopausal women investigated for AUB	TVS with aspiration pipelle biopsy	1 (0.82)	122
Motashaw 1990 ¹⁶	India	Retrospective	Pre and post menopausal women investigated for AUB	Diagnostic hysteroscopy	1 (0.30)	328
Mukhopadhayay 2007 ⁶³	India	Retrospective	Perimenopausal women investigated for AUB	TVS and hysteroscopy with biopsy	0 (0)	85
Nagele 1996 ¹⁷	UK	Retrospective	Pre and post menopausal women investigated for AUB	Diagnostic hysteroscopy	4 (0.21)	1,925
Ossola 1999 ⁶⁴	Italy	Retrospective	Pre and post menopausal	TVS and diagnostic	0 (0)	33

Paschopoulos 2001 ⁶⁵	Greece	Retrospective	women investigated for AUB Pre and post menopausal women investigated for AUB	hysteroscopy According to protocol (including TVS, hysteroscopy and biopsy)	2 (0.63)	316
Refaie 2005 ⁶⁶	UK	Retrospective	Pre and post menopausal women investigated for AUB	Outpatient hysteroscopy and pipelle biopsy	0 (0)	68
Sadaf 2014 ¹⁵	Pakistan	Prospective	Pre and post menopausal women investigated for AUB after failed medical management	D&C	0 (0)	79
Shaheen 2005 ⁶⁷	Pakistan	Prospective	Premenopausal women investigated for HMB	D&C	1 (0.83)	121
Soleymani 2014 ⁶⁸	Iran	Retrospective	Pre and post menopausal women investigated for AUB	D&C	2 (0.42)	480
Stamatellos 2005 ⁶⁹	Greece	Retrospective	Perimenopausal women using of HRT investigated for AUB	Endometrial biopsy	0 (0)	76
Subhankar 2011 ⁷⁰	India	Prospective	Premenopausal women investigated for AUB	Hysteroscopy and endometrial biopsy	0 (0)	252
Svirsky 2008 ⁷¹	Israel	Retrospective	Premenopausal women investigated for AUB	Hysteroscopy and endometrial biopsy	0 (0)	218
Tehrani 2015 ⁷²	Iran	Prospective	Premenopausal women investigated for AUB	SCHS, hysteroscopy and endometrial biopsy	0 (0)	90
Torrejon 1997 ⁷³	Spain	Retrospective	Pre and post menopausal women investigated for AUB	Diagnostic hysteroscopy and D&C	4 (0.50)	802
Vale 1981 ⁷⁴	USA	Retrospective	Pre and post menopausal women investigated for AUB	Hysteroscopy and D&C	0 (0)	419
Van den Bosch 2015 ⁷⁵	UK	Prospective	Pre and post menopausal women investigated for AUB	TVS and SIS	1 (0.13)	763
Van Trotseburg 2000 ⁷⁶	Austria	Retrospective	Premenopausal women investigated for AUB	Hysteroscopy, biopsy where indicated	0 (0)	317
Vercellini 1997 ⁷⁷	Italy	Retrospective	Premenopausal women investigated for HMB	TVS and hysteroscopy with endometrial biopsy	2 (0.26)	770
Vercellini 1998 ⁷⁸	Italy	Retrospective	Premenopausal women	TVS and biopsy	0 (0)	102

Yavuz 2012 ⁷⁹	Turkey	Retrospective	investigated for HMB Pre and post menopausal women investigated for AUB	TVS, endometrial sampling and curettage	0 (0)	52
Yildizhan 2008 ⁸⁰	Turkey	Prospective	Pre and post menopausal women investigated for AUB	TVS, SIS and D&C, hysteroscopy or hysterectomy	0 (0)	79
Yumru 2009 ⁸¹	Turkey	Prospective	Pre and post menopausal women investigated for AUB	TVS, D&C and hysteroscopy	0 (0)	75
Zaman 2013 ⁸²	Pakistan	Prospective	Pre and post menopausal women investigated for AUB	Pipelle biopsy	1 (1.92)	52

*Or other measure if mean was not available. For studies only reporting the age of mixed populations of pre and post-menopausal women, where the age of the pre-menopausal subgroup was not available NR (not reported) is stated.

AUB=abnormal uterine bleeding; D&C=dilation and curettage; HMB=heavy menstrual bleeding; IMB=intermenstrual bleeding; MP=menopausal; TVS=Transvaginal sonography; SCHS=saline contrast hysterosonography; SIS=Saline infusion sonography